Connect and Discover: Assistive Technology

Financial Disclosure

- + I have the following financially relevant relationships in the service and/or product communicated, compared, evaluated and/or reviewed in this presentation
 - + Illinois School for the Deaf Consultant/Trainer
- + ILAA provided financial support for this presentation

Agenda

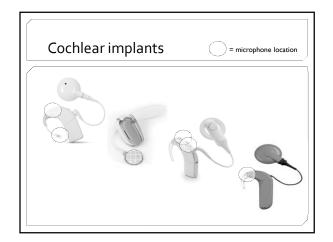
- + Areas to cover:
 - + Advances in Amplification
 - + Alerting Options and Emergency Preparedness
 - + Hearing Assistive Technology
 - + Telecommunications
 - + Connectivity
 - + Accessories
 - + Speech-to-Text Services
 - + Access for Entertainment
 - + Apps
- + Resources

Why Assistive Technology?

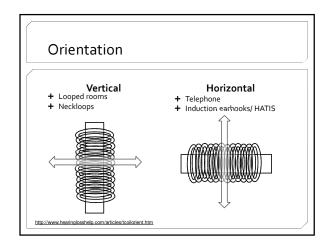
- + The individual is a completely visual communicator
- + The individual's HA/CI battery is dead
- + The individual's HA or CI is being repaired
- + The individual gets limited benefit from their amplification and wants to access information in a different way
- + The person talking is far away and the listener cannot hear
- + It's noisy
- + ...

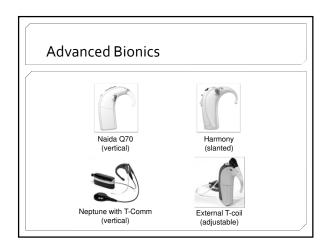
ADVANCES IN AMPLIFICATION

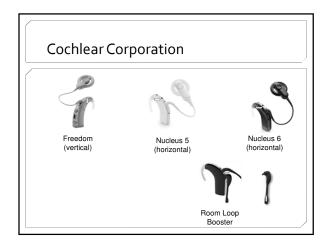


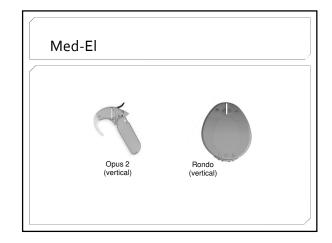


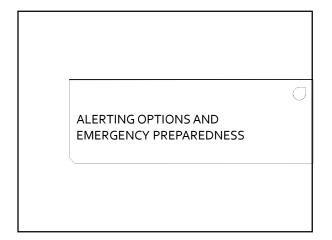


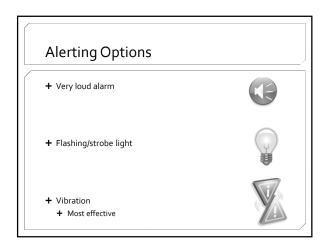




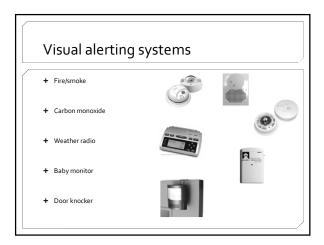


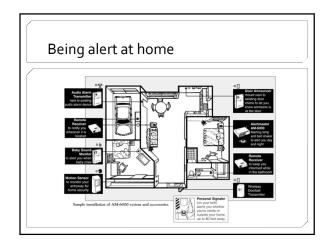


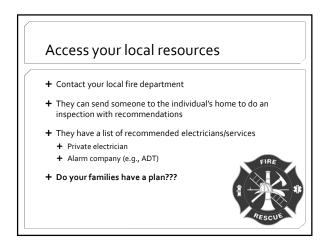


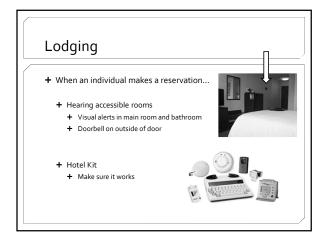




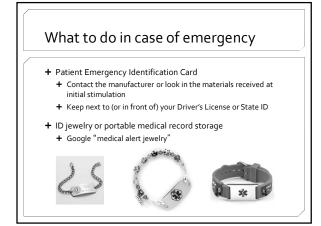


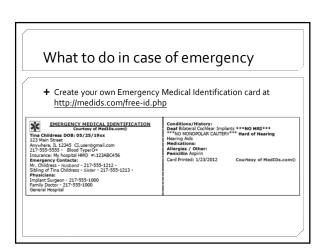


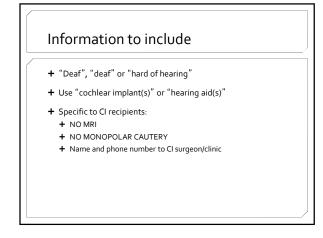




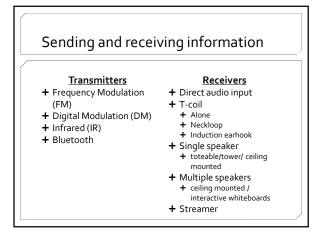




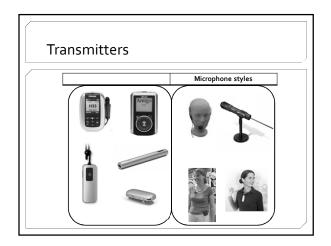


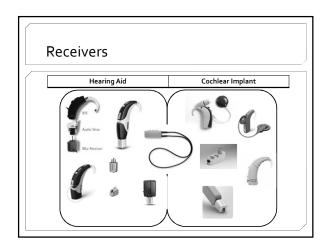


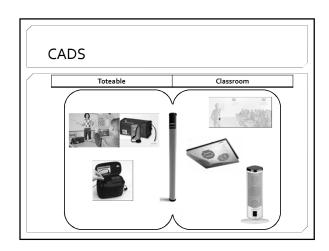


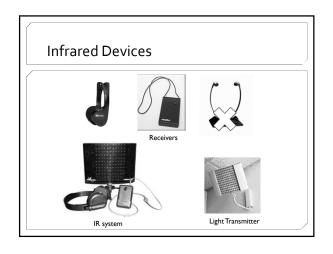


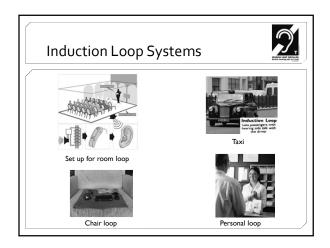
Formerly known as	Now known as
Assistive Listening Device (ALD)	Hearing Assistive/Assistance Technology (HAT)
Soundfield systems	Classroom Audio Distribution Systems (CADS)
FM systems	Remote Microphone Hearing Assistive/Assistance Technology

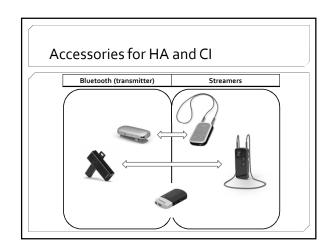












TELECOMMUNICATIONS

Telecommunications

+ Today's telecommunication devices have put Deaf, deaf and hard of hearing individuals on an EQUAL LEVEL with hearing people:
+ E-mail
+ Texting
+ Visual voice-mail
+ Instant Messaging
+ PIN (for BlackBerry users only)
+ Video calls



The FCC require all cell phone makers and service providers to make phones hearing aid compatible (HAC) for people using hearing aids and cochlear implants.

Devices that are HAC compliant have:
Less static
Less interference
Better telecoil connections

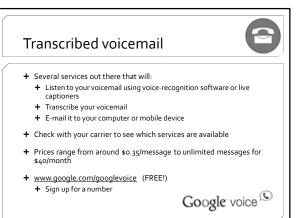
HAC compliant device packages are marked with "M" or "T" ratings

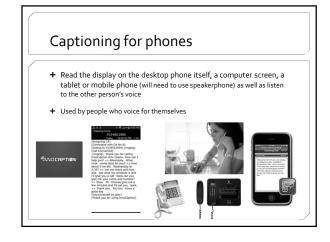
What are "M" and "T" ratings? "M" rating "T" rating + "M" rating refers to the microphone mode. + Wireless devices rated M3 or M4 are likely to generate less interference. + M4 is the better/higher of the two ratings. Look for M4/T4 to have the best chance of being interference free whether used with your hearing aids or cochlear implants in microphone or t-coil mode.

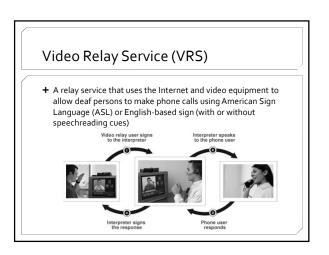
Finding the HAC rating

- + www.accesswireless.org
- + www.phonescoop.com/phones/finder.php
- + Check the packaging/description card in the store
- + Search online if you know the make and model of the phone

+ Used in place of standard phones + Models have a variety of features including tone adjustment, volume boost, loud ringer, visual signalers, memory buttons, capacity for multiple lines, and power adapters.

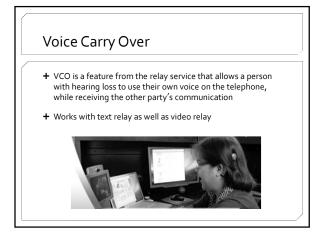


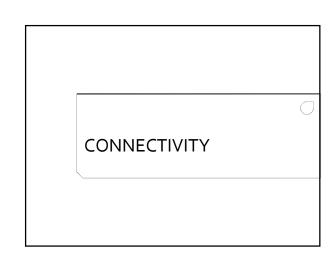






Video Remote Interpreting (VRI) Uses video-conferencing equipment to provide sign language interpreting services Both the deaf and hearing person are in the same room The interpreter is at a call center in another city Especially useful for rural areas where there may be a lack of qualified interpreters

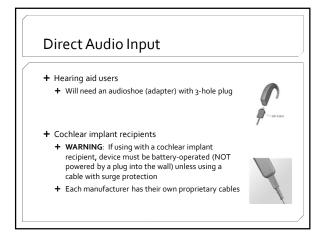


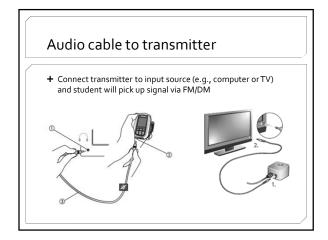


Ableplanet Headphones Many products to choose from (e.g., standard, noise-canceling headphones, wireless, bone-conduction, infrared, Bluetooth) Designed for people with hearing loss so less likely to have interference Cupped style is still recommended Can also use with T-coil (but may need to increase volume)















Serene Innovations RF-200 Cell Phone Signaler

- Works with cell phones and landline phones
- For cell phones, place the phone on the RF-200 cradle and it will flash when it detects the vibration of your cell phone
- Unique flashing patterns to distinguish between incoming calls or messages
 Indicator light lets you know when you have missed calls or messages
- Detects and alerts to WEA (Wireless Emergency Alert) public emergency broadcast warnings (if provided by wireless carrier)
- + USB port for charging cell phone
- Ringer tone Hi-Lo-Off
 Bed shaker jack (bed shaker not included)
- AC powered with battery backup (4 AA batteries not included)





SPEECH-TO-TEXT **SERVICES**

Credit: Valerie Stafford-Mallis from Alternative Communication Services

What is CART (Communication Access Real-Time Translation)? ■ Verbatim: capture 100% of conversation ■ Certification - Accuracy: 96% - 98.5% Certification - Speed: 180 WPM - 225 WPM ■ Specially trained court reporter ■ NCRA certifications: CCP, CRR, CBC ■ Remote CART (internet) On-site CART (service provider in room)

What is Text Interpreting? C-Print or TypeWell



- Text condensing software used to provide real-time communication access
- Regular laptop no special equipment or keyboard
- Meaning-for-meaning,
- Condenses the language into fewer words
- Can be guicker and easier to read than verbatim
- RGL 5th grade or above
- Training takes 1-3 months
- Transcriptionist can be on site or remote





What is Voice-Recognition Software?

Dragon, Windows Speech Recognition, others

- Good for dictation, basic computer commands, and editing
 Not as effective for facilitating effective two-way communication with multiple speakers
- Used in Captioned Telephony
- Some voices difficult to recognize
- Humans outperform software Remote use over the internet can have significant lag time



Hi John, call me when you get this e-mail. I'm running a little bit late.





